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TEWARTM.GRAHAM



# The Farmer's Yydvocate <br> Persevere and <br> Succeed.' and Fome Nragazine 

 and Fome Nragazine}

LONDON ONTARIO, AUGUST 4, 1910

EDITORIAL.

commission of inguirs, with a view to revisio
downwards.
Ireland appears to be having her trouble with the margarine vendors. This industry, like the cult to eradicate or control. While there is no inherent reason why leomargarine should not be
made in ans given country, and sold to those who made in any given country, and sold to those who
wish to hay it, the abuse comes in its surreptitious substitution for butter-a form of fraud facilitated margarin" manufacturers are what justify such a federal law as Canada mosesses, prohibiting either
tmanuinum sale within the confines of the
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The Function of Judges.
$\qquad$ that the special duties of judges at our (nship, and county fairs are to appear superior"ise, and as the classes come before them to firmet the awarding of the prizes. But such is
chief function. When it is called to mind that the function of an exhibition is educative, the lut fair management awards cash prizes to the st andmale, it does so as an inducement to bring hese animals out, and so make their fair most instructive. But the basic purpose of fains is to acmplish an improvement in all lines represented heir prize lists. The simple judging of the is incidental; the real benefits arise from the
concise, accurate statement of the reasons why awards are so placed. Judges cannot serve
their purpose in any full degree if they fail to tell heir purjose in any full degree if they fail to tell fair managers lose an opportunicy do struct the judges to explain their placings. y good judge can state his reasons chould be
most can. and the services of these should l,tained.
(iiving reasons makes for a better feeling in
quarter aiter it is all over. Asinks he has out the best in the ring, but all cannot get to he top. No reason is given why some go up and others go down, and the losers cannot understand; they 100 hurriedly assume a partiality on the wart of the judge. Usually, a two to five minute alk will clearly show just why things went as they fointed out; the exhibitors not only are satised, hut have learned something simitarly the ingside have been taught. For everying exce is one worth while.

Reducing the Monstrosities of

Whout the next great reform in this country
hould bo to reform the law-really reform it, we mean. Abolish the slatish regard for precedent Hlace the administration of the law more square 1. upon a basis of equity and fact, after the principle of the Railway Commission procedure and decisions. We submit that it is time the intel argent citurens of this and other councries cease throtting justice with monstrou cesa than with ins. court practice has been maintained for the conven football with which to play the game a convenient football with which to hay the game,
there are encouraging evidences of change. Before the I. S. House Judiciary Committee last win-
ter. it was said that. with one exception, in the ter, it was said that, "ith one exception, in the
proceedings of all State bar associations during proceedings of all state bar associations during
the seat, reform of judicial procedure held a chief
the rich, who can always hire skilled lawyers invoke technicalities.... We confess to a want respect for precedents which were found in the rubbish of Noah's Ark," The Supreme Court oi isconsin, says the Journal, has recently taken a imilar attitude, declaring that framing of indic ments are nothing but " rhetorical rubbish
$\qquad$ Saturday Evening Post, is still mountainigh, and harbors many a rat, but we believe its hadow begins to grow less.

The Glory of the Corn.
Talk of mystery and magic, but there is none , mith the legerdemain fruitulne growth as seen in the corn field. The molty craving townsman gapes open . welling or hersis, dering Wonder-worken whers, hers. and knives, artificial flowers, ropes and cabse for real, entrancing marvels, commend us cornfield, with its fragrant luxury of pure air nd cereal production at its very best. One day May we dropped the dry kernels under an inch soil, mellowed and ente In fact, it was and cold, they were like to die. helped to resurrect death of the outer shen. A little green spike ouldered its way up through the earth to the ght and as the roots spread this way and that, ght, and as the roots spreat in the water-dissolved
myriad of fibres drank in fertility, giving the plantlet strength and substance to begin the struggle for existence with a host of predatory weed pests whose seeds were already in possession. With harrow and hoe and *eeder we came to the rescue, and gave the corn fighting chance, to which it nobly responied out, he end, the weeds were subaed the good triumphed, as it should. Right here and the goond educators of the youth may draw a wholesome moral. While the training seemed like rigorous hardship, the coming crop throve undar a rigorous even we roughly harried the rows with the two-horse cultivator; but the stalks had a sure grip now on mother earth, and began to each up and outward an inch a day, and the hotter the sun, the faster they grew, theating back bands of green waved a thowsand glinting reflecin the face of the sun a thousand gresting refechature sees that there is no lack of it. in order to opening pores, strengthening fibres und sigorous growth. Presently we see the luxuriance of plumed stalks ten and twelve feet high, tossing like the sea itself. Corn likes cleanliness, and if there are no showers by day, under the shadows of night he naked arms of green are washed dorn with the dews, and from air and soil it gathers in sustenance, and grows from strength to strength. The growing pains, which are heard in the titanic by the breezes of night. 13y and by the plant be gins to flower, and the rows of auburn tassels sway like the plumes of an old-fashioned army. Then comes the mystery of the pollen which falls
to fructify the silk-clad ears forming on the stalk below with a prodigality that knows no limit. In such profusion is this vitalizing dust scattered such profusion is this vitaliz.ng dust scattered
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THE HARMER'S Advocate
and Home Magazine.
the leading agricultural journal in the DOMINTON.
The william weld company (Limited) john weld, manager
Lomita for Thr farmerts advocate
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THE FARMER'S ADVOCATE AND HOME MAGAZINE
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## When Good Farming Tells

 crops when all conditions are favorable. Scienc in the West. Noore, an Therican, returned to Spokane from had this to sal. of what he sall

## Discrimination According to

 Quality. east in Ontario, none The number of factories has been increasing. Where, a few years ago, one large factory served for a radius of four or five miles, are found now three or four factories, and
yet the total amount of milk made up is practical1. unchanged. These smaller factories work ruin of the cheese interests. The only argument in their favor is that they are conveniently located for the few parnish enough milk to pay a capable cheeseMaker, nor enough profit to encourage the owner improvements. Consequentis, and are springing up at every cross-road. are cheaply built, lack curing facilitics, are insanitary, and frequently are run by makers who do not know the conditions de-
manded for successiul cheesemaking. This was the -reat fault of the chetse situation, as seen in a re cent trip of inspection through the Brock ville dis countered, the wils imdicated prevailed. There should be a law. rimidls enforced, Which would ing of factories. Inless steps are paten 10 present the further crowding of factoriws, and hew have, the chese industry, instead of addlancing. must retrourade. At this point, the alue of co ompration is evidenced, and wherever

Farmers and Their Parasites stem such tendency, we belice Canadian packers formerly placed on bacon type "as grossly "xag-
gerated. (hickens come home to roost The mand who will not pay for quality need not axpect honey the same time, we maintain there is good consinced that it will pay to go on produring pork teadily, and es.ncially to swim a little extra of the water. Whateser the packer does or does not do, is no reason w
use of our copportunitio

Cheesemaking in Brockville
Cheesemaking in Brockville $\quad$ District. That a cheese factory he successful, the follow ho Mr. Aa colle's indictment alome this particula

$\qquad$

1244
THE FARMER'S ADVOCATE
Horse-breeding Rules
as bill toes to the root of the matter, an it be hoped that, in the interests of fair play, and commercial uprightness, it will emerge completel
triumphant triumph
Agriculturally speaking, the interesting problem
of the political situation is the anomalous position of T. W. Kussell, Vice-President of the Department of Agriculture. The ostensible reasons why Sir Horace Plunkett was removed from office a few
years ago (to make roam for Mr. Russell) years ago (to make room for Mr. Russenciple that the occupant of the position should be a member of Parliament. At the last election, Mr. Russ. 1 What an interesting story could be written about the whole situation and the various underlying in fluences at work: what a light it would cast on
Ireland's management under the party system: Ireland's management under he pars sut I must not go out of bounds.
But We are once more in the throes of a bitter con troversy concerning the state subsidy of the co operative movement, and more trouble has teen precipitated by some ind (redit lanks established by the Organization Society. Another battleground is furnished (as I anticipated in my letter
in the issue of " The Farmer's Advocate " for the in the issue of "The Farmer's Advocate " for the
2nd June) by the suggestions contained in the De partmentai Committee's report on Irish Dairying
as to complete inspection of creameries by officers as to complete inspection of creameries by officers
of the Department. All over the country creameries are up in arms against the ambition of the Department in grasping for extra powers and
authority over these coluntary enterprises of the farmers
$\qquad$

## In these busy days the care of the here must

 In these busy days, the care of the horse mustnot he forgotten. Grooming is ust as essential to a house's comfort and health in summer as in winter. The horse sweats a great deal, comes into the stable wet and full of perspiration. In an
hour or so he cools out, and the dirt forms almost a crust over the animal. Then, too. the
itching annoyance of the biting thes makes at
brushing most acceptable. Turning the horses out brushing most acceptable. Turning the horses out
at night where they may roll, partially relieves
this distren at mght where they may roll, partially relieves
this distress. but what they should have is a thor-
ough grooming. A half hour with a rood comb nd and A hall hour with a goond comb ach animal every night. The comb should be to cause more harm than good, a good hrush will usualiy accomplish most functions of the


Mu-h trouble with owerheated horses is likely
to occur during the nest fow weeks of hot weather when the press of saving the vear's crops is greatwork on the teams the dus are lone.
$\qquad$ On his eagerness to get as much cut as possible,
he driver may easily overdo his horses, esperial the inside ones. Whatever the exact physiolocirial results mas be the apparent effects of overheating
are evident. The horse pants, does not swant. hecomece harsh in the coat and tight in the skin: the animal cannot perform much work in hot
weather. and is slow to recover normal conditions weather, and is slow to recover normal conditions
again. Firequent watering of the animals when at hot, heavy work, is one of the best pre entive
measures. it may be inconvenient to tat a barrel of water to the harvest field. but, as a humane rel of water to the harvest field. but, as a humane
and ,rofitable preventive measure, it is 10 he
recommended during the pry busy, hot har pest

nit transport mule o 1,200 pounds. The daily ration for
horse is 12 pound horse is 12 pounds mothy hay; for a
tule it is 9 pounds ond int heay. some ater sull somed
usuly
ned
nuse Corses Brathe kept in sup-
$t$ seldom fed $\underset{\substack{\text { as } \\ \text { nen } \\ \text { nen } \\ \text { the } \\ \text { reg } \\ \text { and }}}{ }$ of the a
demand he grain is it fed
morning, and Malance of the

I'nhealthy or unsound animals should $n$. Ne er Ill-tempered animals sho 1 ther Marents that are greatly dissimilar in the red and shapes should not be mated to hreed.
(ireat bic stallions and small mares shou newer be mated to hireed.
Hall-ired stallions of ans. breed should not be Aloid breeding in-and-in
troid breeding in-and-m. orses not breed from coarse, looscmand mares of loo not breed from black or gray mares to not breed from mares and horam which - rositive

Determine exactly in your own mind the char
acter of the horse cou wish to produce lose sight of it. the fmest animals and hood that will shat youre To breed half-hred horses, select : pure Thor
 To breed weight-carrsing hunters, select a neatly-made, large roomy, healthy young, weil-
shaped, sound. well-hred mare, with good temper shaped, sound. well-hred mare, with goon temper To breed weight-carrs ing hunters, select a pure Thorouchbred staliion, compact, well-shaped good action, and one that is the sire of and running horses, and that has got good weight

Cape of Army Horses ach treatment.
The Pony's Value. bull preminm fould be windiall wint to all
 of toraterial wist "ork "orkg of the station Plomt other somures oif loss io stoch onners 1 eet m.
$\qquad$ Experience
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HHE FARMER'S ADVOCATE

LIVE STOCK.
Our Dumb Animals.

 to sure to a sense of their sinfulness in the sight
"olneu
oi Goo, is certailly the duty of every true Chris10 The sovieties for the Irevention of Cruelty ,





 phisically and financially. Surely the ontinde
knows he is doing wrong when he beats or memtet bis animuls. Conscience tells hum so the tod
 larger returns, when treated with hindness tha
when the conditions are reversed.






 given her But the wife is very fond of animals
and so are all the children. There is a truchman in our city who loves his
horse almout as will his his wife He was out on
. work last sumper, and althoush he necded moner.
could not lue persunded to hive his horse. for he
 th. horse is sio fond of him that he will follow him
all around the yard.
loo begets love








Honor Roll of Shorthorns.-VII. grand champion orer all beef haredss the tus.
 The World's Fair being at Chicago in 1893 the
shorthorn exhibit at Toronto was lighter than
 usual a consider International competition in the
fipuring in the
White city of the Colmbinn Fxosition the greatest ei ent of its find the world has wit tessed,
where an excerdinglv creditable record in prize winning was made by Canadian-bred Shorthorn and horns, by ages, at Chicago, first thace in the aged. hull section was viven to yung Abbotsturn, bred In the Watts, of Salcon, (ont and third to Non


 firm had also the first-prize junior herd, under two years old, headed by Lord stanley (a)
the four females being, like the bull, all ly prize) same sire and three out of the five" were" white sex, under iour sears old, the get of one bull. was selso won the Russells with the progenv of Stanley. A series of grand-champion competitions
was also arranged by the management, open to Was also arranged by the management, open to Shorthorn exhibithrs as one of a comnittee of three judeses. together with John G. Imboden, of Illinois,
a ieeder of and dealer in beef cattle, whose prediieeder of and dealer in beef cattle, whose predi-
a.tions were probablv. for the Aberden- Angus lireed, though a thoroughly impartiol judge and Wm. Stoching, of Ilinois, a Hereford breder. a
Inan oi fine naracter In this competition there wan if fine character. In this competition there
was no question of Young Abbotsburn's place in the class for bulls two vears and over. but for bulls under two vears there was a very close con-
tust b.tween Russell's Lord Stanley and the Angus hull
the which had won first in his own breed Here The writer had to do some talking in a ques that
and succected in opersuadin his colloagues
the white should win over the black in this part the white should win over the black in this par-
ticular casc, not, of course, because he was a Canadian, but because of his superior quality. The suile which suffused the countenance of Jarmes Rus-
sel when the first-1rize
ribbon was handed him yrew liroanter and higher when later the $\$ 601$ Prive ior the best voung herd, headed by Lord
Stanler, wus landed him, and again when the first

 him to face a camera
 award-the $\$ 1.000$ prize in this case becing given other committee, was placed third in the reguar
 change, having strongly advocated it when the to where to begin the placing. The second and
third awards went to Herefords, and fourth and "Ith the first-prize (graded by ages) Shorthorn herd in the original competition was headed by a leggy
red Conadian-bred bull that was fourth in his Class. born at Bow Park, and of which judging
irom his personal makeup, it might well have been urrtten : personal make-t. in minn
"A true patriot he. for be it understood
Hee leit his country for his country's good.
The females of the herd must have teren reckoned
whry strong, when they offset his weatness. in the Koblins herd, of which wean given the

 season from her breeders, Jase Gardanouse \& Sons,
Hightivid, Ont., to fill a place in the ludiana herd.
Her she had not been as hishly frted as the other mermbers of the herd having recentls come from

 came satisfied with the explanation, and agreed.
That little heifer, five months later. became the mother of ther, multi-champion of the Western
States circuit in the late nineties. St. Valentine. the douthty roan son of the Duthictred Cuards. man. carricil in utero when his , wother was criti-




United States Live-stock Export Trade.

THE FARM.
The Sow-thistle Problem.
 taken charge of iour orchards this seasone direct-
ilig the pruning, cultivation and spraying As a
resul, a normal crop of clean applea is being pro-
'luced in an orchard famed as being the worstr duced in an orchard famed as being the worstr
affect d with blight in the district. So muieh inwrest is being developed by this demonstration
"which is being done on the places of "good" "which is being done on the places of "good"
(armers) that there is every hope of forming a cofarmers) that there is every hope of forming a co-
mererative association for marketing purposes next These co intins, in most parts, have much to
linarn of the value of underdrainage, it is needed.
too berfere the full benefit of the many ward oo. before the full benefit of the many ward
ditches will be obtained. In the experimental phots on the fair-growinds at Morrisburg, Mr. Camp-
helll placed a complete system of tiles, with the rewoll placed a complete ssetem of tiles, with the re-
cult that, while, in the wet season of 1909 , the land was too soft for working on June 1st, it was this vear ready for sowing on April 15,th: a bog urs are, consequently, seehing and receiving aid
in the planning of their drainage system.
Nustard is ton much with these people; sow Mustard is too much with these people; sow
thistle is prevalent, and oxeye daisy, quackgrass,
Plot of Oats on Experimental Grounds, Morrisburg.
crop be grown. If, therefore, every effort is made now to introduce alfalfa, we will have overcome
the obstacles in the way by the time the fodder from this source is most needed. falfa in the begimning is not new, for in many falfa in the beginning is not new, for in many crop, there were many discouraging years before it became established. Our land is new, and bac
teria, if not present, must be introduced. The biore our land becomes filled with bacteria, the moter will the alfalfa flourish
(:. H. HuTTON, Supt. Lacombe Exp. Farm

Extension Work in Dundas, Stormont and Glengarpy.
 progr,
ions.
United. thess three counties comprise quite an extensive territory. Within their boundaries is
much most productive land. In (ilengarry, the much most productive land. In (ilengarry, the
northern part of Stormont. and the north half of northern part of Stormont, and the north half of
Dundas. is found a heavy, eet mellow, friable, rich clay loam. whereon diersified farming, with a marked bent to dairving, is intensively carried on.
Nearer the St. Iawrence River the soil is somewhat sharter and harder-hottomed. yet excellent apples, especially the McIntosh Red and the Fa-
meuse. do cuceedingly well. All together, these meuse, do exceedingly well. All together, these
counties are a splendid district. in which much has been don., and wherein many finishing touches are Mr Camplell hrings to his work here the ad-
vantages of normal training, experience in teachantages of normal training. experience in teach-
ing and in assisting as district reresentative else
where his () "Wo inches without shoms. introdnce agricultural courses into the High surno. fow which condithos this approximated
sentatious repry.

 diperions anay from ngriculture. Mr. Camphell's
 Work
there is H....r. intorest is lieiner manifested, and
the wo growh in thi denatment of
 Nown that an assistant, in the wr-
son of
added


$\qquad$
$\qquad$ and emorgy to this much-neglected crop. There are many fair-sized, well-grown orchards throughmut the district. The McIntosh Red and the Fameuse do wonderiully well when cared for, but the
cuituro and marketing have received practically no culturo and marketing have received practically no
attention. As a conse vuene, the orchards are and
uncightl, the iruit spotted, and the prices far
from thes might he. Mr. Campbell has


Soil Moisture and its Uses. Superintendent of the Fort Hays liranch Exper ment Station, delivered before the Western Kansas Farmers Conference, in
iollowing important facts

> JSE OF WATER.
> of plants, water is needed in the soil for the following reasons

1. To disselve the plant food.
2. To carry the food to the plants and through 3. It is food in itself to the plants necessary to give the proper texture favorable for the growth of the plant roots. 5. Watcr also acts as a regulator of the te
perature of the soil, tending to raise the temper perature of the soll, tending of warm rains, and, by
ture of cold soil by reason of wan
evaporation, to keep down the temperature of the evaporation, to keep down the temperature of the
soil during the hot summer weather. soil during the hot summer weather.
3. The bacteria in the soil which assist in decay and in chemical changes by which the plant
food in the soil is made alailable to the plant, thrive and multiply in the soil only with a favorable condition AMOUNT OF WATER REQUIRED BY CROFS Experime in growth plants require a large amount of water. Prof. F. H. King, at the Wisconsin Exneriment station, found that cultivated crops with-
drew from the soil during their period of growth rew from the soil during their period of
from 2.4 to 5.1 acre-inches of water, or 300 to from 2.4
500 tons
produced. Water, hor etery ton of dry From his experiments he has detcrmined that and one-third bus. of wheat, or that nine acre-inches of water are sufficient to produce a 3 (-hushel wheat
crop, if this water could all be used by the growcrop, if this water could all be used by the grow-
ing wheat. In like manner, one acreanch of water ing wheat. In like manner, one acres lich of washels
is equivalent to five bushels of barler, five busher of oats. or six bushels of corn. would require only According to his figures, it would require only ton of clover hay, or a four-ton crop of clover hay could be produced by 18 acre-inches of water. Two acre-inches of water were equivalent to one ton of corn fodder, and a yield of six tons per acre would
require only $12 \frac{1}{y}$ acre-inches of water. require only ${ }^{\text {Pr clessor King's }}$ out oi doors, but the crops were grown in cylinders and were not subject exactly to natural field conIn experiments which the writer conducted at
In
the North 1)akota Experiment Station, 1898-99, the North Dakota Experiment station, 1898-99,
it required, on an average. 15 acre-inches of water inch of water was equivalent to two bushels of
wheat. These results were secured in the field. The moisture content of the soil to a depth of six
feet was determined at sowing time, and again at harvest time. The loss of water from the soil, plus the rainfall during the period of growth, was
the amount of water which was charged to the crop.
crount of water which was charged to the field experiments of this character have been conducted with different crops during the past three
seasons. A summary of the data secured is given seasons. A summary of the data secured is given
in the necompanying table.


osed to have
ed as quite three per cen
ts quoted ar
d records decords
decreases, as
s, and from stands " $n$ t. germinating.
och) are cited,
per cent. carper cent.; car-
sunflowers, sunfowers, 5
5 . 50 and
cent.; 2 to ol 10 years, 20
orom 6 to 18
even with
per cent. ecord peer cent. to
peas perminated
cultiper cert. Culti-
minated 50 per
minated in one

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Atgest 4. 1910
cases are also cited of 2 -year-old rye and 50 -year-
old showins nil ; nearly all the records venis old how nil. In clovers. the highest reand ove invariably showing nil. It should be
stated that different ways of treating these old seeds were tried, such as moistening them with water or acid, putting them in solis, ete.
The conditions for longevity are partly inher
lo ent in the seed itself, and partly due to external
conditions. Fairly cool, dry, airy conditions preserve seeds best, while, in the soil, sieds last
longer in the deeper layers than in the surface lones Seeds with impermeable coats are als
ones
naturally most likely to last longrest in tho soil. the longer they are likely to last, and that an plies more especially to the starchy seeds. The property of longevity is an hereditary peculiarity
inherent in the living protoplasm. The conditions favorable to germination are, of course, water
oxvgen. and a cartain temperature, the proviso being add d that the two former must be able to
venotrate the seed in sufficient quantity. Ther appears to be some diversity of view as to the ef
fect oi light upon germination. though, in prac tice, various small seeds must he superficially sown to germinate well, and this is due directly or in
directly to thir exposure to the light. In case of grain intended for seed, the general deductions to he drailn from these rescarches are that it should
be thoroughly matured, and so harvested and housed hat it will he preeerved hry, and at a
moderately-low temperature.

## THE DAIRY.

Dairying in Eastern Ontario. Not often does one have so favorable an op-
porturity to see things as was afforded the representative of "The Farmer's Advocate" las week, when he visited the Brock ville cheese section in company with (i. Mr. Publow has been the road in the interests of Ontario cheese for 2 ? years. He knows every factory and it conditions irom Toronto to Nontreal; he has faced every
difficulty of cheesemaling in his section, and has solved many of them. Having so intimate a
knowledge of the iousiness, his successs among the makers foliows naturally. Accompanying him was the district instructor, A. H. Wilson, of Athens, whose interest in the weifare of the cheesemakers passed. Completing the party was Senator Dan ferbyshire, born in the distrint, once its school then its representative at Ottawa, and now its wife and al! the children; and, besides being al ways entertaining, his intimate knowledge of every
factory andl its sumplies made him a valuable factory and its supplies made him a valuable
source of iniormation ior the parts. The Senator has alwass been a great encourager of factory construction.
Th. first part of the current season has proved ideal for cheescmaking in Eastern ontario. The "eather was cool, and grass plentiful, making the
supply of milk unusually largo, while the natural supply of milk unusually large, while the natural
conditions prevented the development oi harmful bacteria. Mr. Publow declared that better cheese never went on the market than in this year, and from Fastern Ontario during May and June. The just ainout up, to that of last year. In some sec-
joar sor
tions it it trade. In the Fastern Townships of Quebec, and ang the front of Fastern Ontario. there is de
veloping a considerable export trade in cream and Cassin to the linited States. From the Brockville section a refrigerator car is shipped daily,
going to Morristown. N. Y. The contract with he consumers varies. One factory, which had dollars a ton for July and August milk, and season The huyers pay the maker or operator and all shipping expenses. Producers are paid prices for This is somewhat better than present It is diflicult to tell with assurance the degree of wiston in the development of this trade. Instructor Puhlow cannot understand why, if it is
a decirnl. Worosition, the Amerian farmers do
not sim O hast if "A Cactory organization demoralized for a ant ann or more for the very little ad
merialt of the count the basis of thound ......andened, not curtailed.

THE FARMER'S ADVOCATE
crease. "What do won think of this phase the industry?" Mr. i ublow was asked. "if if I were a patron. I would not want it madee."
And the answer tells the whole story. The conAnd the answer tells the whole story The con-
tract hetween patron and maker usually gives the maker two-thirds of the returns the first year.
and a half for succeeding vears.
One factory of about seventy patrons made alout three thousand dollars worth of such lint ter in its first year. The
maker got fifteen hundred dollars; the serent pamaker got fifteen hundred dollars: the seventy pa-
trons, if each had receiced an avarage share, wowld
have had each aloout twentr-two dollars more for thi. sason, which would have meant about four dollars more on each monthly cheok, an amount that
"ould scarcely he noticed, while, without doubt. The derreciation in freding value of the whey was
fult. at lenst. in the fies. In some factories whey hut. at least, by the rive in same factories whey are abandoning it The protuct is sold locally


Plowing for Fall Wheat While the quality of the cheese during the first part of the season was excellent, makers have kept the Chief Instructor going almost twenty-four
hours of the day of late, on account of the difficulties which have arisen. The hot, dry weather has been favorable for the development of undeThere hacteria-and they have been developing. several years past with litter-yenst fearments for has not been giving a great deal of tmuble, but. the combating gases, the makers have freely used bitter-yeast growth, and, some of their cultures bor coming contaminated, they have had troubles
 methods of caring for milk. A. H. Wilson, insteady improvement in the care of milk. Aeration has been abandoned, and water-cooling is being
gradually installed. Nuch still remains to be gradually installed. Much still remains to be
accomplished, however. in this reseect. Ninetyaccomplished. however, in this respect. Ninety-
five per cent. of the furmers in this section have silos, and almost all the lest of them are white Washing their tables, and making them as sani-
tary as possible. To these adrancements they must add covered milk-stands, well removed from all sources of odors, and convemient to cold water: fresh, pure water for the cattle, and clean, steri-
 fore freshening time, to eight weeks' rest betion of her body, which pecessarily means that when the calf is dropped it will also have When the cow is nicely dried
off, she should have plenty of succulent, nourishing and easily-digested feeds to keep her in a laxative condition. A box stall should be part of the furniture of every well-regulated cow barn, and should be about the same temperature as the
stable, or a little warmer, or it would have a tendency to congestion or a stagnation of the blood, therely causing disorder of the functions. vou can easiest time to kill a weed is just before you can see it, and the easiest time to kill disease
is to prevent it. When the little fellow arrives,
is the first thing to think of is to disinfect the navel cord, to prevent germs of disease entering the sustem. A pood lesson can be learned from some of our best horsemen, who are paying a lot of .atcon along this line. milk that is very essential in getting the calr's digestive machinery started rizht, and I think the usungster should be permitted to have it. We davs, untii it is nicely straightened an. The most important time in the li'e of the calf is when we whern upon ourselves its feed and care, and here is gentleness, for if you are a lot of kipdness and your treatment with them, they will distrust you


The Giant Up-springing Corn.
and fear y
forget thos
Werge Whone teachins the calf to drink, nonit wil its hean into the pail, but wet your fingers in this
 .There are three essentinat, at this sime. ic. quality. Calves are injurced more by not ons is ins ing carefully these rules for the frrst fewe weeks
their lives. than in any other wave At Nows their lititio stomachs arc not strong, and a litic care at this time otten means the diferencen be tween an unproftatle and a proftathe animal py guesswork, but hy actual weighing or measur $\underset{\substack{\text { ing. Ior } \\ \text { artificial }}}{ }$ find it so easv to overestimate
 threthin this temperature ns nearly ns , iossithe
 ample in this respect. and see that the pails arc
kept in a
cleanlv condition. ahout The care of the pen makes quite a diriference
 are rermited to lie on $n$ cold. damp bod. thes take cold. and that they are out of condition and general unhealt hy y apparance
$\qquad$ a littlic $4 \times 6$ per, with conditions just the rewer of what they sholld bo dark, gloomv, damp, am
 so low whert they have been brought up under these conditions?
Possiblve one rant crans usully makes the lest growt Possiblv one reason is bequise wrone nround th
barn more, nod notice their conditions. and ent give them proper attention at the right tim
while in the summer nur work calls us more the firld. and the stock is ant to pet nexlected One quite commom troulle with the spring calf is

 summar. feeding tham on good oats and clover and milk. By paving attention to the stable cond
tions and exercise, the calves will make a hetter Cool-curing at the Quinte Cheese Factory
An ideal site for a cheese factory is occumin
 Cromphay, Ameliastury, Prince va ward To 'ont















## Garvest-field Refreshment

## POULTRY

Economical Production of Eggs
Economical Production of Eggs
per fivel those chichens,
The: want. I adnut we
our neghbor's guinea i
ant it has not in any
pounds of grain to pra
If you want to mal
just a littic less than h

The money in Farmer's Adrocate.") ing a boy on pie. lou can't sicken hime of it The money in pultry depends upon two things as loag as you are giving him less than he wants.

- oferfeed chickens, keeping them close to the feed. coss of production and selling price As 1 see and they will lively die, overfeed and give them
it, the life and death of the poultry industry in a range, and they wont take more grain than is it, the life and death of the poultry industry in a range and they won't take more grain than is
canada depends to a considerable extent upoll gond for them. The more you study hens, the
conoperation. There are great puantities of cges weing into If you use the ordinary stationary henhouses,






THE FARMER＇S ADVOCATE






A coat of whitewash，aplind with a sirny




 hens，one of Buff orpingtons，and
henorns．of find the orpingtons the
tors，as thev are winter lavers，and

## GARDEN ORCHARD．

A Bumper Crop of Strawlberpies．

August I had a matted row two feet wide． way．Some growers crowd the runners closely in
the centre of the row to avoid extra hoeing．This
method gives small plants in center of row，and
small berries I use a twelve－tooth strawberry cultivator．
tahe out the two hind teeth and attach two disks which rotate and cut off runners given off late in plants along the sides of the rows． I covered the patch with straw in Necember
This mulch I raked into the paths and added This patch vielded 16,770 boxes berries．The
heaviest picking we had gave 5,760 boxes． heaviest picking we had gave 5,760 boxes．On
July 4th Mrs．Geo．Hoshal picked 300 boxes in
seven hours and seven hours，and during the season she picked
1,600 boxes．The average price received was
Then cents a bor；cost of picking，boxes and crates， Flgin Co．，Ont． 4 cents a box for labor．

Poor Fruit Crop in Nova Scotia He have had a peculiar season so far，for fruit，
at rost，and cold east winds and rain at
blossoming time combined to prevent lization．As a result，we will probably have the lightest crop of apples，comparatively speaking
in the history of orcharding in Nova Scotia．By in the history of orcharding in Nova Scotia．By
this I mean we will have an average oi fewer bar rels per acre than in any other year since we really began to raise apples for export．Up to
the present（July 20th）we have had an abun－ dance of rain，and some very hot，close weather and，as a result，most orchardists are looking for
spotted iruit of poor quality，as well as few in mumbers．In thinning some varieties this week che writer found that Baldwins were not spotting some spot developing．Some of our orchardists have humorously expressed the opinion that the their crop this year． produced almost 500 barrels in 1909，will not put A meeting of representative orchardists from Annapolis and King＇s Counties，on July 4th Scotia the cro，whole 25 per cent．，taking Nova Th only move made on the recently－purchased
Fruit Expleriment station，at Kentville，was the Fale of the grass on the farm to local parties． the local covernment was to puchase the site for to run it，but they have taken no action yet． The policy of the Government since the last lections is supposed to one of retrenchment well，as far as agriculture is concerned．Gorking pet saiarics，and overpaid figureheads，are still Ilourishing．We have not had a fruit conference
at Ottawa for some four years，though we were promised it every two years．We are very glad marheting on the increase． A meeting of the fruit companies of the Valley tion of a central association．Then of these co－ operative companies were represented，and there is
good promise that farmers will，in the near future good promise that farmers will，in the near future，
do their own business，and stop fattening the mid－ dlemen．Verily，there is no class of men in the Wild so casy to＂do＂as the ordinary farmer． pon，or so much at the mercy of the unscrupu－ ous money－grabbers and politicians as that of

American Apple Crop Uneven
Judging by latest reports to hand，the Pacific
will have $u$ good crop of apples this Amearica that New England States also seem likely to produce
it fair，though not a bumper crop．Elsewhere， conditions are uneven，bome varieties beisg prome，
ising in one locality，but scarce in others，and ice versa．for imstance，the five big counties in
New tork State，running from Bufalo through－ out the territory of Rochester，Bure reported to have a good crop of Baldwins，while（ireenings and the Hudson River Kistrict the crop of light．In ＂ins and Greenings is light，with all the winter
varieties in that district promising an average of not over fifteen to twenty－five per cent．of last
vear Michigan is uneven，with probability of TOP is expected in Nova Scotia In Fastern On－
are catremsly poor summer and fall wariet apples mak－
ing the onl show worth ment moning，though in a
few Hocalities we hear that this condition is re－

Plant-breeding at Jordan Harloor dan Harbor, Ontario, is situated on the shore ake Ontatio, and in one or the finest peach-gro The farm comprises some 97 acres, only a smal portion of which consists of the deep, sandy loant o higlily prized o heacy clay. A large portion of the farm is planted with orchards oi a few acres cach of apple, pear, peach plum and cherry trees, plots of currants, -oted to the testing of varieties of "egetables. In 1907-08 the whole farm was thorough inderdrained, under the super ision of 1 rof. Wr. 1 . om such a system are now fuly apprarent. An important line of work recently started an The object of the plant-breeder is to originate new arieties which will combine to a greater degres
han the varieties now grown the qualitics most sought by the grower. the shipper and the consum peach, grown more extensively than any other variety, yet by no means an taccel peach. of ellent shipping qualits, bat it is surpassed by some varieties in flavor, such ass st. John and
Mountain Rose; by others in immunity from disaiddle of the peach season, when a glut is most probable, and prices are generally low. It seems, probatio, and pricesedre an Fltherta. which would ipen earlier, a truit equalty frme b most urofit able fruit for both grower, shipper and consumer On the Experiment station there are at present some six thousand seeding strawierries. se eral thousand seedling tomal oes, seathing prache. seass
and apples; at the close of the present season
 his season are being carefully noted and comwere originated
Not only is it the work of the plant-hreeder to improve the size, quality or apprearance of the keep a watchul eve that the selected proginy
khow less susceptibilit to the many insect and
shat


Milking the Aphides.


Peaches for Great Britain.

THE FARM BULLETIN

South Ontario Notes.
Haying is finished, with the exception of the
stragglers, and grain harevest is once more in
ane full swing. The hay was about an average crop A larger acreage than usual was sown to winter wheat last fall, and is now looking splendid.
Barley is scarcely an average, as it ripened tod Barley is scarcely an a derage, as
quichiy, but oats, on the whole, look well. Alsike
is now being ahreshed, some high yields being siokn of, as well as fancy prices obtained, but
we have nothing reliable enough at hand to state what prices are being paid
Corn is growing nicely. A great deal had to also because of a cold wet spell that came shortly after much of the corn was sown, and on low, un arained land sullered severely. More care is be formerly, many buying on the cob; in this
Mangels are looking fairly well, but turnips wil he any tall allay belou the average, num havoc with some. The potato lavetle is giving of Paris green. One of our progressive farmers sent some of his hard-carned cash to the state
to find out a sure way of killing the potato bug The reply came, and was simple are Take the bug, lay hiñ on a flat stone and hit a sharp crack with another stone." When will the people
cease to be foolled ? Apples, on the whole, will scarcely reach an average yield, but "hat lacis in sield may be inade up in quality. More spraying was done sulphur was mostly used, with arsenate of lead mixed for second spraying. spraying is so much
less trouble this wav than when the mixing and toiling was done at home we may look for more
in fulure A nigher standard of farming may be observed
on all sides this is quite noticeable in the increased interest taken in the short rotation of crops, allaha, "raming, ensilugy corn, standing
field-corop competition, etc. The true farmer of
to-day must be an agriculturist-one who studies from loons and arricultural papers, and finds out The perennial sow thistle is scrucely so con it. from reports, the quality and quantity was quite
satisfactor, with a keen market for all that could ee produced. A ervent many colonies die annual inntario coo, cint.

The Cost of Living
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$\qquad$ xhaustive enquiry on the same subject in Can ada. From 1890 to 1897 prices in Canada fol
lowed a downward trend. This was succeeded during the ensuing decade by a more rapid up Prices in the last-mentioned sear were by car period. Prices fell in 1908, but were upComparing the high year 1907 with the low year 1897, the ad ance amounted to approxt-
mately 37 per cent Comparing the year 1909 approximately $31 \frac{1}{3}$ per cent. The advance in products, such as grainc, fodder, meat-producing
animals, milk, egas, wool, fruits, vegetables, are reported to have increased in price only 37 per
cent. while meats, bran, flour, hid"s, leather tc. increased by over 34 per cent., comparing the 1909 decade with that of 1899 . Fish products did not advance quite as high as those of
the farm. Lumber advanced about 50 per cent. but manufactures generally showed only about 10

# Poultrymen See Minister of 

 AgricultureDominion on Wednesday. July 27th inter iewed the Hon. Sidney Fisher, Minister of Agrialture. The del"gation presented tive importan commendations to the Minister for his earnest of requestse recommendations, placed lows: We ask (1) that a Poultry Commission be appointed to study the question of poultry prodcts from a national standpoint; (2) that in the tion of the l'oultry Comunissioner there be established a department of scientific research along standardization of poultry products has already buen introduced, that the bepartment of Arriculthe present poultry plant at the Fxperimental arm, Ottawa, is inadequate and out of date,
that the interests of the poultry industry would est be served by its discontinuance as a local the Poultry Commissioner. ${ }_{(5)}$ That in conSideration of the noble work done by Prof. A. G.
Gilbert during the past twent -five years he be rulicved of the personal supervision und management of the poultry plant at the Central Experi-
ment Farm, and his services retained, by apointing him chme To all of these requests of the poultrymen the
Minister showed consideration, and to some at least a favorable disposition. expressing a willing. ests of the industry. That the poultry industry iteds constructic.. manarement and the services of an elficient poultry commissioner, and that the
industry is of such mamituds. as sideratile expenditure, ought to be patent to every reading man. Poultry producers throughout the entire land will do well 10 put forth their best
efforts in surport of their delegation in the at-

Renewing Alfalfa and Pasture
$\qquad$

## A Canadian Embargo.

 The reported outbreak of foot-and-mouth dis ease in by the British Board of Agriculture, the Dominion Department of Agriculture has, on July 23 rd , suspended permits for the importation int Canada of cattle, sheep and sill affect only thoseCountry. The suspension will who have already made their purchases but have not yet shipped. It was, of course, im possible to the water, so arrangements are beins already on the water, so arrangements are being
made for the veterinary inspection of these in mid nade
stream. As far as reports have been received there have been no further outbreaks ois the disease, and al
the infected animals, totalling 124 in number the infected animers. There is good hope that the British Department has the outbreak so wel tirely stamped out.
A similar embargo has been enforced by the United. States upon the cattle trade with Britain,
and will be rigidly enforced, until the extent of the infection is made clear.
Foot-and-mouth disease is, like the more dead Foot-and-mouth
ly rinderpest, of Asiatic origin, and Eurepe will
never be safe against infection until better meth neve sanitation became known and practiced in
ods of
the localities where it is constantly lurking. It is a germ disease, but its pathogenic organism ha
never been isolated. In the course of its prog ress it produces eruptions, and thus provides the
means by which it may easily be conveyed fron one animal to another. It consequently spread rapidly whenever it obtains a foothold, and the
resulting mortality is always considerable and
often serious. Human beings may become in often serious. Human beings may become in-
fected by the use of the milk of diseased animals, or of
it is a curious irony on Great Britain that Canadian live cattle are not allowed to be im-
ported except for slaughter within a few days at ported except lor slaughter
the place of landing, while the importation of
British cattle from this infected district into Can ada must absolutely be prohibited. The disease
supposed to endanger British herds by the free supposed to endanger British herds by the free
importation of Canadian cattle is pleuro-pneuis what leads to the suspicion that the embargo on the importation of Canadian cattle is a
wickian outcome oi economic protectionism.

Highland and Agricultural Society Show.
This show, one of the best ever held under the
auspices of the H. \& A. S.. opened Tuesday, July
19th, and was held at Dumfrics 19thy and was held at Dumfrics. There was a
grand show of fembale Galloways. a highly uniform show of Shorthorns, an unusually large show of
Ayrchita cattle and ponies, a splendid show of Blackface sheep, an exceptionally strong show of Border
Leicesturs, and an exceptionally good show of
Clydesdales. The arrangements were excellent, Ceicestrs, and an exceptionally good show of
Clydesdales. The arrangements were excellent,
and everything moved off satisfactorily. cattle.
Shorthorns.-In the aged bull class, six animals
were forward were forward. First prize went to the well-known
Anwick Favorite, now rising five ears, the prop-
erty of fleshed, yet keeps his shape perfectly. Mintmaster by Royal Violet, out of a Bapton Diamond cow,
the property oi (George Harrison, Iarlington,
on ing quacity in all points. Third went to F . Mil-
ler, Clifton Road, Birkenhead, on Good Friday There were four two-year-old bulls, of a verage
stamp. in that class, George Harrison winning first stamp. in that class, George Harrison winning first
on Prince ollaf II, second going to Viscount
Tredegar, on Pretender. The yearling bulls were a quality class. First and second were bred at roante, the former being Collynie Cruickshank, 8
(iolden Primter, Primrose Star, a white, both by
(the and of the choicest breeding Duncan Stewart, of Crieff, owned the first, Wm.
Scott, Stow-on-the wold, the second.











## Alnwick Favorite, with Collynie Cruichshank re- serve.

Aherdeen-Angus.-Much interest centered about
this ring. The judges, in awarding the cham-
pionshin this ring. The judges, in awarding the cham-
pionship for the best breeding animal, did what we are not aware has ever been done at any show,
and to this extent they were certainly original. Then Metaphor won the President's medal as the get the breed society's prize for the best breeding animal, but the judges decided otherwise, and if
they thought the cow was the best breeding ani they thought the cow was the best breeding ani-
mal, they placed reserve to her the two-year-old
heiier which heiier, which it can be safely said has not bred
yot. The decision at a show of breeding stock
appears very contradictory, but there it stands. appears very contradictory, but there it stands.
it should be stated that the umpire, Mr. James Whyte, Hayston, Glamis, judged several of the classes. Mr Mrearen being the breeder of animals
entered. One of the old bulls was in enforced reentered. (One of the old bulls was in enforced re-
tirennent. The quality of the stock is up to the average on the whole, but there is nothing sensa-
tional in evidence. The aged bull Metaphor, fresh rom his victories at the Royal and Aberdeen, was
placed first: Eagle of Dalmeny, belonging to Anpaced irst, Eagle of Dalmeny, belonging to An-
drew lrools, Tranent, was second; while third
went to (George Cran, Morlich, on Just Jeshurun, a level, strong bull in two-year-oldds, IR. W.
Hill received first on Erino, a blocky, well-covered.
smoo amooth chap T. H. Bainbridgo received second
on Gerace of Ballindalloch, that has good winnings oo his credit, and is an argumentative competitor.
the jcarling class was small. and was headed Lord Allendale's blocky Elmhore, a very breedy strong, meaty youngster ; second was Lord Emer-
ald, the property of the Earl of Strathmore. The kid, the property of the Earl of strathmore. The Kerr's Juanita Frica took first. She is a splen-
did animal. Next to her stood Eiramosa, the property of Jas. Kennedy. The two-year-old class
also had few competitors, though good ones. The also had few competitors, though good ones.
yearling heifers, perhaps, were the best class of
the breed. Jas. Kennedy got first on Elmyra, a beautifully-built Erica, short, thick and stylish. T. H. Bainbridge was second with Belinda of
Clury, and J. E. Kerr third with Enlogia, by trince of Wassail. The cup for best cow went to
the owner of Juanita Frica, the medal for best of the b
male.
Galloways.-The display of Galloway cattle is
nuch better tham at former shows, although there is a slight decrease, compared with the last show at I)uwifies, in 1903, when there was an excep-
tionally fine turnout. The decrease, however, is mainly due to the large number of dispersion sales
which have taken place during the interval. The which have taken of the exhibits to-day, and more especially T. \& 1 . Graham took first on the 14 -year-old
Marchficld Despised, a very fine, quality bull Javelin, that beat him last year, stood second. Three two-year-olds appeared, while seven yearlings came out; these last were a good class.
W. \& D. W1lson took first on Mascot, a promising soung bull, J. M. Kennedy took second on
Niel (Gow. Male chainpionship fell to the old bull. The female classes were especially good.
Ten cows entered the ring. First went to Lady longriag to Mr. Fox, Brockbank. Good ones stood all down the line, John Cunningham stood second with Nettie XXX. of Culmain, an exceptional-
ly fine, breedy cow third went to 13 iggar \& Sons on Lizzie of Chapelton, a first-prize winner two
years ago. A particularly large entry of mericorious animals entered the two-year-old heifer
class. First went to Robt. Graham on Kitty of
Iuchengassel. not sensational, save for one or two at the top.
IW. A. McTuit's Brownie IV. stood first, and later champion female: J. M. Kennedy's Gladys II. Ay rshires.-In the aged-bull class was keen comti ies. Andrew Mitchell's well-known Peter Pan came to the head of the list. He is four years
old, massive and stylish Robert Osborne took second on Valmont, a half-brother of the winner?
Two-year-olds were a strong class. James Howie had first on Sir William; Andrew Mitchell second
on Silieer Crest, a handsome, big bull; while Howie's Andrew Likely stood third . The year-
lings were a very large and difficult class. Even
tuall, James Howie's Full Bloom landed first, a splendid, thick, growthy bull, H. B. Wilson re
ceived second on Lord Ilarnley, and third went to Howie's Ayr Review, after a keen competition. Cows were a splendid class male Championship.
However, James
Lawrie's Bloomer VIII. was an easy winner, being in every way a first-class cow. Andrew Mitchell milk wron numerous, and of good quality. Charles Nouglacs hal a clear winner in Janet, a stylish
cow. of scale and milkint capacity. Second hon-
ors ors ind to Alex. Hunter on Polly II. Two-year-
olds did not form a large class, but had good
ones formard whils the and difficult. Best female a ward went to Lady
Mars Stewart. John Murray's first-prize winner in

## Clydesdales

Clydesdales have rarely made a stronger show hell filled with a grand collection of big stal-
lions. The three-year-olds were still better Two-year-olds had a long string of grand big
colts. In the aged class were eighteen entries nearly all forward. The judges placed the awards
thus: 1, Scotland Yet (14839): 2, Gartly Ronus (13491), 3, British Time (14610). 4, Sir Spencer (13211) Scotland Yet for feet, pasterns, flat-
ness of bonc, cleanness of joints and size takes a lot of beating. Montgomery's Gartly monus is a son of Everlasting. He is a big horse with
good feet, good bone, and a good walker. British
Tin.e (also Montgomery's) is Time (also Montgomery's) is a massive son of Up
to Time, and a great mover Veedleso to grand horses stood beyond the ribbons. In
 (14579); ${ }^{2}$ 2, Memo (15313); 3, Black Douglas
(14599); 4, The Right Honorable "(14879); 5 , Baron Ideal (14585). Baron Ashvale, belonging
to A. \& W. Montgomery, is a big, upstanding bay by Rozelle (10638), out of a Hiawatha mare bay, He
is altogether an uncommonly good horse . Hat tills the eye standing or going. Memo is a lacking some , belonging to Matthew Marshall, grounded. The Right Honorable belongs to well Uunlop; he has plenty oi size, good feet and flat nine, and took a lot of judging numbered twentyweight were much in evidence among the winners.
Messrs. Montgomery's Roval Guest stood firs. aessrs. Montgomery's Royal Guest stood first.
and the same owner's Title Deeds second, both being by Everlasting. Mr. Taylor's Sir Rudolph
was third. Over twenty colts were entered in the yearling class, and mostly all appeared. First
went to a powerful Everlasting colt, owned by James Kilpatrick: second to Montgomery's Royal Edward colt; third to Wm. Dunlop's Dunure Index. Raron Ashvale was made champion stallion, Scot-
land Yet being reserve. Brood mare
Mr. Stephen Mitchell, of quality ones throughout. share of the honors in the mare classes. His, Wim. Neilson taking second on Daisy primrose a very close runner-up, of exceltent type. Boquhan Lady Leggy easily won first in yeld mares for
Mr. Mitchell, having been unbeaten this season Nerissa, her closest competitor, belonging to J.
E. Kerr, came second. Third Sleigh's fiveyear-old Everlasting mare, Lucilla A small class of three-year-olde was forward, Mr Mitchell taking first and second on Thelma iI. and Boqu wo-vear-old fillies lined up, a very largo
class of twost of them had claims to distinction. J., P. Sleigh's sister to Thelma H. By was first. R. Chapman own second with Heather Gcm, a beautiful Revelanta
filly; Richard by Revelanta. Dunn was third with a chestnut filly in great strength yearlings also come forward respectivel, bunure Myrenc and Dunure Sympathy, Sleigh got second on a black filly. Filainc, own sister to Molra.
The President's medal and Cawdor cup went to Stephen Mitchell for Boquhan Lady Peggy; the
reserve was Moira, the winner of the Cawdor cup HACKNEYS.
These made an average show; the numbers were
not great and the excellence not sensational. The best stallion in the show probably was Flash
Mathias, full brother to the celebrated Grand Vulcan, and perhaps his superior as a harness
horse, and sprightly Dancgelt, Mr. Enoch Glen's two-year-old. This is a beautiful mover and a The sheep show was a grand one, Cheviots and Porder Leicesters being out in great numbers and
unsurpassed excellence. Blackfaces maintained their standard in numbers and excellence. Through-

## Coming Show Dates.

## Saskatoon, August 9th to 12th Edmonton, August 23rd to 26th <br> Sherbrooke, Que. Aug to 26th.

Canadian National Exhibition, Toronto, August St. John,
to 15 th $\qquad$ London, September 9 th to 17 th
Charlottetown, P. F. I. Sept. 20th to 24th. Mictoria, B. C., Sept. 26th to October 1s
Halifax, N. S., Sept. 28th to Oct. 6th. New Westminster. 13. C., Oct. 4th to 8th. Maritime
5th to 8 ther
Smithrield Onta:io Winter Fair, Guelph, Dec. 5th to 9th.
Toronto Fat-stock Show. Union Yards, December

## THE FARMER'S ADVOCATE

Winnipeg Exhibition.
$\qquad$ July 13 th to 23 rd, despite excessic ely hot weather
was a decided success, both in the number and quality of the exhibits and the attendance of factor
 acknowledged to be the strongest yet seech in wes ern Canada. The judges were: Shorthorns, Galloways- Prof. Andrew Boss, of Minnesota state Autherford, Regina, Sask.; Holsteins, Ayrshires, Jerseys-H. G. Clarke, of cieorgetown, "nt. White
The principal exhibitors were: A. S. and Leslie Smith, of St. Cloud, N. (i. Barron, oi Vanhorne, East Selhirk, Emmert, East Selkirk, a
Carberry, Man.; H1. L. Emmer new exhibitor; 1'. M. Mredt \& Sons, Edenwold,
Sask.; W. H. English, Harding, Man.: R, W. Man. ears and over, th. Van Horne herd second, with the roan Hishtlywood; W. H. English third with Mikado. The rating in the two-year-old secthe senior and grand champion bull of the breed second in the class being Fimmert's roan (Vahland
Star, and third San Horne's His Majesty. Finglish won in the senior yearling class with the with Primrose Knight, and Lang third with Fairiax. R. W. Caswell was first for seor section was the Gon Horne entry, The junior chamyion was Van
Van Horne's lmp. Boguhan Hero, the first-prize junior yearling, purchased at the Ferth sale in February last. In the class for cows, the awards went
4 th and Spicy's lady, "hite, the grand champion
and at with Susan Cumberland, in a class of eleven, Van
Horne's Spicy's Rose was second. In the senior yearling section, White \& Smith won with Gloster
Queen; second was Van Horne's liower Girl, and Queen; setond "as Emmert's 'spring Grove Butterfly. Junior earlints were secen, the first being white of som; thrid,
Simith were first for senior herifer calf, and 12 . II.
Casicil tirst for juniur. The senior and grand Champion female was Emmerts first-prize Champion was White \& Smith's first mize senior and four femates in the owe class went first to
Yan Horne, serond wo White 8 smith, third to
then ,lacing "as: Virst, Van lhwak serond. White Herfords-Th. , ompetition in the Hereford
lasses was contined to the herds of William


 sizs shelus won the hurd prias. , outh sumion lagus was also contined to 1 wo hards. buth of D) UcGiregor herd, from Brandon, and the othei he aged bull class, Mcfiregor's Golden Gilcam se hred first money. Although Row run sor his momel-


 pethors in the ased cow class. There were nine exhibitors of this breed. A. IB. Potter, of lang-
bank, won first in aged buls on the well-known
 Herriout "On Second on Sir Midale Sir Henger-
Veld, and C. F. Smith, of Scotland, Ont.. third on veld, and C.F. Smith, of Scotland, Ont...third on
Lakeside Model Wayne In varling bulis, Homer
Smith was first. In that excellent ring of aged Smith was first. In that excellent ring of aged
cows, 11. Smith, of Winnipeg, won first second, third and fifth, his first being Faforit 10th's Beauty and second In herd of one bull and thrie ie males, H1. Hancox, of Dominion City, was
and E. Smith serond With Ayshires, five exhibitors were out. N. M
Bruce, of Lashburn. Sas:, and A. Tr Trimble, of
Red her, Alla hein. Red lieer, Alta, heing the chief competitors,
Bruce took finst in the three-year old, and again aearling tro-vear-old bull class, and seend in the and first and third in the vearling bull class.
Bruce toon the nialority of firsts and seconds in the cow classes. Trimble contesting it closely. The second, ard Hazelwood's third ing those of 13 . H. Bull \& Son, Brampton, Ont. and Joseph Haryer \& Cois, Kinley. Sash, Si others had entrins, hut were bargely outdistanced
The honors were fairly (Men's divided. Bull id Son won first in agel bulls, in twon-sear-olds, see lull (Brampon, King Fidward) In cows, Bull a
don ant second in aged class, first in two-vear-old heifics, firct and sacond in searling heifers and in Rochote's (iolden Beanty, the first-prize two-year old heifor, was macte champion female. Ali to
gether, the dairy show was a ducided success. The horshas. cess of a yuar ago reat importations increasin the
Quality was of hiyh order, and much size was
presented, so that. all in all, this was the best Plydesdale show ever seen in Winnipecg. Exhiskitot were present from hoth Ontario and Caskatch Wm . Carter, Stillwater, Okla., placed the rings ever sticking to the dcep, thich-bodied, massive
drait type, and, since quality was pllentiful, thy winners were sutendid types. Agad stallionshorses of reputation. In the ir final ranking, Roval Choice, belonging to Traynor kros, Comdie. nificent proportions, weighing ower a ton, showigg roed, and hating a full share of loote of the right of Colpuhan o Beativ. Brandon, another horse of
slow, strong bone, shapely feet, and desiratle as lion A six-var old imported horse stood thire Trome the promit of is Mredt A Sons, Iden old stathone Qann mose horses comt antion, quality cannar une day in the cas inatin was.


$\qquad$
Plvdesdales or thires were not as iull as one
might desire, they contained good wnes. Thechampion stallion in this section was. The
charon's
leadlight, the property of in. Nucluen
ear-oll of splendid draft type, plonty of size and
hice qualits. The champion mare was Royd
and is a varan: tuem, belonged to Traynor bros,
ford way creditable, Meputy Minister Ruthe
ton: and H. U. Hutchins, of Keller, Sask., wer
the exhibitors. The 13randon consignnent wat
Mlondin, well known in Westrrn Canada. while El-
Hutchins took a fair shat
Shires and belgrans. - The exhibits in these
hibitor, the shires three, I he animals were of
Brandon, carried off most of the whire honors
Mete revicw of the light horses. The exhibit was
trong in nearly all sections, and the entries wamefromy many wide wall sections, and the entries cameontributed the largest part of the display. Hack-
lasses: roadsturs and it andard-breds showed inhood numbers, while the sections for carriagelassis and ponit
heir due attentio
Mards in the light-harness classes. In the class
$\qquad$Hassard's Marion Cassius; second went to Robt.
he moss, (irenfeli, on lellet. This section wasProi IV. J. Rutheriord, of Regina, judged theThe Leicester class was the largest represented,and contaned some of the best animals on the
ground Alex. Mackay of Macdonald, Man., was
any breed thectil for the best four lambs of
Orehard, who divided the prizes, the first named

Trame, and F M. Shimmer, the majority of first
Cons hord howns were well shown by Peter Arkell \&
Nonthdowns wern mithited he T. A Cox and
II : Clatke, of Coworgelown, ont
Horm. "arm "cr." "ell shown irom the VanW. H.
is going
n Horne
Bienstim, "wre shown in goodly number andco.. ande iv. I. Fdtwards, and R. Lamgair. Cox
T:mworths wine forward from the herds of

Wheat Crops of 1910.
Rome,
d. July
pushels.

East York Observations. Harvest is well in hand. The hay crop has
been good. The fall wheat is abole the average both in yield and
$\qquad$ considerable attention to dairying, have an abundance oi both ${ }^{\text {gr }}$
drouth oi June,
$\qquad$ ing ready a succulent fodder crop, tound that the
milk yild fell off considerably. The practice in
mome dairy farms, of sowing a seeder
$\qquad$
$\qquad$
$\qquad$ to be a feature of every summer.
The iruit crop promises to be light. The fruit
the long drouth precipitated the young iruit to the ground most universally.
The root and corn crop are both looking well. these crops a world of good. Nearly every farm
$\qquad$ The meeting is expected to take place in Markham of the Provincial Government. Every effort will
$\qquad$ armers and their sons will take an actire interest The directors of Scarboro' Agricultural Fair are offering fifty dollars in prizes for the three schools weeds. Last year a similar competition brought of the weed menare, and this is one way in which arize themselves with these robber pests.
It is a pity that farmers generally were not of new weeds, having them identified at Guelph York Co., ()nt.

Athletics in Rural Communities.
$\qquad$
$\qquad$
$\qquad$ most iamentable fact. That the farm offers a that all writers agree upon. The thing is, there-
fore, how best to keep the young men interested neightorhood in the country, I believe, would be
a step in the right direction. Farmers of the ol school will, no dombt, ridicule this idea. They
will claim that, after a boy has performed his coming $\qquad$
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THE FARMER'S ADVOCAIE
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An Economic Reaction.
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Manitoba Elevators.
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THE FARMER'S ADVOCATE

## FARMERS <br> The Savings Department of this Bank has proved to be a great convenience to thousands of our farmer friends and others for the safe their spare money. <br> We are pleased to offer these facilities for your use. <br> Loans made to responsible people on reasonable terms. <br> description conducted. <br> Bank of Toronto <br> Head orrice: Toromto, Canate

 INCORPORATED 1855.MARKETS.

## Toronto.

At Toronto, on Monday, August 1 , st
receitp were 72 cars, comprising 1,36
catte, 274 hogs, 364 sheep, 79 calves
(Ruality of cattle medium to good; trad Quality of cattle medium to, good; trad
quiet. Exporters, steady. at $\$ 6$ t
$\$$ at $\$ 6.75$, and one load, $\$ 6.80$; bulls, $\$$
$\$ \$ .75$; prime butchers", picked. $\$ 6.25$ $\$ 6.75$, prime butchers', picked, $\$ 6.25$ t
$\$ 6.50$ loads of grood, $\$ 5.75$ to $\$ 6$ med
um, $\$ 5.25$ to $\$ 5.50$, common $\$ 1.75$ then um, $\$ 5.25$ to $\$ 5.50$ common, $\$ 4,75$, t
$\$ 5 ;$ cows, $\$ 3$ to $\$ 4.75 ;$ milkers, $\$ \$ 5 \mathrm{t}$ $\$ 80$, and ine registered Holstein, $\$ 100$
calves, $\$ 3$ to $\$ 3.75$ per cwt. $\$$ Heet

 $\$ 9$ to $\$ 9.10$, f. o. b. cars at countr RLEVHEW OF LAST WEFE'S MARKETS as follows : for the past weeh |  | City. Union. Total. |
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and Truro.


Cheess Markets.



Some Practical Aspects
There is, perhapis, a litte to be said
on both sides. Mr. lichinson has of the Teaching of


Our English Letter

The Windrow.




NO ONE CAN AFFORD TO MISS THE OPPORTUNITIES FOR CHEAP BUYING IN THIS CATALOGUE

## EVERY ITEM WAS BOUGHT IN LARGE QUANTITIES

We were convinced that the demand would be enormous, for the goods listed in our July and August Sale Catalogue, consequently we bought in larger quantities than ever before. By doing so we have been able to obtain from the manufacturers unusual price concessions-savings which we pass on to you.

## EVERY ITEM WAS SPECIALLY SELECTED

Every article is a necessity-a household need-something used in every part of the country-and all were specially purchased for this Great Sale. Furthermore our selection is most varied as it contains items of interest to men, women, and children.

## EVERY ITEM IS A SPECIAL VALUE

This is an opportunity which you should take advantage of at once, as such values are not of daily occurrence. Every article is a genuine EATON bargain-let us prove it to you by means of a trial order.
ORDER NOW
WHILE OUR
STOCK IS COMPLETE
SORONTO

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calin oi .ichinkt, dows, with a big stove
rict condition that Johnson should con-
Rensy-I.illy had not been in the camp a
week before McWha's "ugliness" to herthad aroused even the boss's resentment,
and the boss was a just man. Of course,
was not bound by any known law orwas absolutely nothing to be done about
it; for lied McWha was utterly within,poured out at her the rest of the camp, Rosy-illy
took graciously enough, but rather as a
mattermatter of course. It was all her due.
But what she wanted was that the big.
gray. red-headed man, with the cross
to her. She wand voice, thould be nice

| and |
| :--- |
| won |knife. and Wallev for her with his jack-did With Walley she would hardly con-descend to coquet. She merely consenteduninteresting grandmother. To all but

undother members of the camp-except the
 and carelessly. Rut it was Red McWha
whose notice she craved. The evening meal. "'supper," in Conroy's Camp was the time of relaxation,
with only pipe and bunk to come after With only pipe and bunk to come after.
As the rough banter bounded boisterously this way and that above the heaped tin plates and steaming tin cups. Rosy-
I.illy's big blue eyes would roam gravely I.illy's big blue eyes would roam gravely
from one face to another as if trving to rom one face to another as if trying to
understand what it was all about. But understand what it was all about. But the face of Red McWha, and rest there in
wistful admiration. When supper was over, and pipes filled and lighted, someone would strike up a
chantey,"-one of those interminable nonotonous ballad-songs which are pecu These chanteys are always sung in a plaintive minor; some are sentimental or
religious to the last degree, while others religious to the last degree, while others
are amazingly vulgar. But from the hour of Rosy-Lilly's arrival in camp. all the vulgar chanteys were dropped, woodsmen's repertoire During the songs, the sinoking, and the
lazy fun, Rosy-Lilly would slip from one big woodsman to another, an inconspicuous little figure in the smoke-gloomed
light of the oil lainps. Man after man would snatch her up to his knee. lay by his pipe. twist her silky yellow cury
about his great blunt fingers, and whisper wood-folk tales or baly nonsense into her
pink little ear. She would listen solemnly for a minute or two then wriggle
down and move on to another of her ad down and move of to another of her ad-
mirers $\quad$ But before long she would be mirars , But before long she would be
standing by the bench on which sat Red hikh atove the other, and his broad back rewlined against the edge of a bunk. For
faw moments the child would stand




Let the children drink all they want. Healthful, nutritious, delightful.
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nadian Pacific Railway Co.



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Always on hand, stallions, colts, mares
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ILLES




QUESTIONS AND ANSWERS Veterinary
CATARACT-LUMMPS ON
ABDOMEN.




 2. If thess are soft, lance, and allo
hic escape of pus, and flush the cavatie

fatality in colt. Mare foaled July 12 h. on the 17
I noticed a soft swellink on right side
$\qquad$ the abdominal can ity and rarts of the
peritoneum decomposed and fetid, and de
 the bowels complicating diarrhen. Th
is evidenced by the condition of bowels and peritoneum, accompanied by
serum in the cavity. It in possibe that
tpeated doses of opium, say 2 drams
$\qquad$
$\qquad$ liniment, and giving 20 grains hyposul-
phate of ofda, throut times daily I do
not think the colt could have been saved. eruptive trouble in colt Colt is now six weeks old. When
porn, one kneo was weak and swollen.
In a week, both hocks became swollen


Peachblow Clydesdales and Ayrshires

$\square$

r. t. brownlee. hemmingard. oue. Imported Clydesdales
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burn's Heart and Nerve Pills recommend ed to me and after having taken a box they appeared to help me so much I continued
to take them, and was soon able to do my work again. For this I am very grateful work again. For thise all people with weak beart or unstrung nerves to give them
horough trial." Milturn's Hea
siginal heart and nerve cure and are sold at all dealers for 50 on per box or or 3 boxed
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 P. 0 and Staton. IV. Broatoot, Fersus Aberdeen-Angus Cattle stand all ave ANDREW DINSMORE. "Grape Gitanse" Farm,


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s, Batteries, Insulated Wire, and everything necessars, Gryend



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275 BURLINGTON SHORTHORNS 275 3 Choice Imported Scotch Shorthorn Bulls-yearlings. 1 Imported 2 -year-oid Buit, red-an extra sire. 10 Bulls, 9 to 16 months old- all by imported sire 30 Choice Youns Cows and Heifers-mostly bred or have Calves at foot SCOTCH SMORTMORNS- Eight extra g. Mitchell, Burlington, Oung bulls, from 10 to 15 monthoodd: Prices reasonable Inspation invicíd

## INVERNESS SHORTHORNS $\mid$ Imp. Scotch Shorthorns when lin toor short

 Ccan supll) Shorthorsm of all ages with rive w. H. BASTRRBROOK. Freeman, Ont. Maple Leaf Shires, Shorthorns, Hampshire Hogs PLEASANT VALLEY SHORTHORNS


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months old, buth sexec, at sectial prices.
CHAS. E. ROGERS, Dorchester, Ont.
Choice Bull


Miscellaneous

CABBAGE LICE

ECZEMA

| self whon he cons ont, or any place, has no hair rubbed off. Kindly send me recipe for mange, if you think that is what it is. <br> Ans-Horse has eczema. If the hair is long enough, clip him. Give a thorough washing with warm, strong, soft-soap suds. appled with a scrubbing brush, and twice daily. with a solution of corrosive sublimate twenty-five grains to a quart Fowlor: colution of Arsenic, twice daily very alternate wiwh, as long as necesLUMP JAW |
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hearty. hindly athise as to the con
tagiousness of the dispase. and
Ans-This is, in all probability, a cas
of lump jaw. it is not

## Holstein - Triesians WOODBINE FARM HOLSTEIS




## LAKEVIEGV HOLASTEINX: Bun calves sired by Count Hengerveld Fayne de Kol, whose sire is is, the sire of the words shampion milk cow, and whose dam is the dam Me sire or the words's champion milk cow, and whose dam is the dam of the word' shampion buturer com. These catves are from Ae cows wi for sale. <br> E. F. OSLER, Bronte, Ont. <br> World's Champion-Bred Bull| High-class Holsteins-Head ot herd, Pietio    Sired by imported Ykema Sir Pooch, and Pontiac For sale, 1 cow, 6 years old, good producer Sarastica a randson of Sarcastic Lad. Registered. 3 buil calves; young Yorkshire sows. | Delivered Express paid. SOAfe delivery guaranted. |
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BURNSIDE AYRSHIRES!


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$\qquad$
Hectio Gorton. Howick fintoc


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Saved the Sixth One With DR. FOWLER'S Extract of Wild Strawberry.

Mrs. John Firth, Craighurst, writes:-"I have had six children and lost them all but one. When young they would get Diarrhoes and nothing would stop it.
As I lived in a backward place, I did not know of
I saved my last child, who is now eight years old, but I owe it to Dr. Fowler's Extract of it hefore I feel that Had I known about the others. I shall forever praise and bless it and will never be without it again
"Drthout it again"
Dr. Fowler's" has been on the market for over sixty-five years, and has Bowel Complaints.
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Getting the full percentage of cream from mills depends as much upon the oil used to lubricate the separator as upon the separator itself. Gummy oil will cut the fine bearings of your machine, spoil its balance and waste good cream in the skim-milk pail.


## STANDARD Hand Separator 0il

 never gums, never rusts, never corrodes. Itfeeds freely into the closest bearings and insures the perfect lubrication that is essential to the free apinning of the bowl and the complete separeton of cream from milk. It lessens the drivig fort and lengthens the life of your separab
One gallon cans. All dealer.
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Shingles is safe against lightning-far mere so Shingles is sate against lightning-far mice so
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with them, and you have a moof that is handsome enough for a city hall and that absolutely protects. $\quad$ Practically an Oshawa-shingled mof is one Practically an Oshawa-shingled mof
seamless sheet of tough galvanized steel. a crevice for moisture to get through. to set fire to it. No chance for the wind to
worry it. Ibampness cannot gather under-side of it. It needs no painting. And pairs, for twenty-five yout it needing any repairs, for twenty-five years at least.
I shit that kind of a roof the roof for von? Isn't that kind of a roof worth more than it
costs? Isn't it the only roof you cought to con sider? since it is the only yoof of which all
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 ${ }^{\mathrm{mmanman}}$ SHINGLES are made of 28 gauge steel, specially toughened and heavily galvanized to make them rust-proof. Thus they weigh about seventy-eight pounds to the square. With the box about 88 pounds to the square. When considering metal shingles always learn the weight of metal per square offered and be sure that the weight is of the metal only. Make the weight test yourself. First be sure the scales are accurate. Then unbox a square of Oshawa Shingles and weigh them. Note that the weight averages 78 pounds without the box.
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